README File for ACS 2007 Data Products Delivered via FTP

I) Data Available at this FTP Site

Data Products

Six types of Data Products are provided on this site for the release of the 2007 American Community Survey (ACS) Social, Economic, Housing, and Demographic data for areas with populations of 65,000 or more – Detailed Tables, Data Profiles, Comparison Profiles, Subject Tables, Ranking Tables, and Geographic Comparison Tables. All data products contained on this FTP site will be released by September 23, 2008 on American FactFinder. Information about these Data Products and ACS published geographies are available at the Data Product Details page, http://www.census.gov/acs/www/Products/users_guide/.

Detailed Tables provide basic housing and population characteristics. These tables are the foundation upon which higher-level profiles are built. The Detailed Tables come complete with the margin of error (MOE) as well as the lower bound and upper bound of a confidence interval. Both the margin of error and the confidence interval are based on the 90 percent level of confidence.

Data Profiles provide estimates of selected demographic, social, economic, and housing characteristics. The profiles come complete with the margin of error (MOE), which represent the 90 percent confidence interval.

Comparison Profiles use estimates from the single-year profiles to show year-to-year changes, the related percentage distributions, and whether the differences are statistically significant at the 90 percent confidence level.

Ranking Tables show how states compare to each other for selected characteristics.

Geographic Comparison Tables are single-variable tables comparing selected characteristics for geographies other than states.

Subject Tables highlight a particular subject of interest. Each subject table is accompanied by its margin of error and the confidence intervals are based on the 90 percent level of confidence.

The Selected Population Profile is a single table that can be viewed, or "iterated" for many race, ethnic, ancestry groups, and country of birth. The population group choices are similar to those found in the Census 2000 Summary Files 2 and 4. Selected Population Profile's are published for the nation, states, and other geographic areas that have a total population of 500,000 and a group or iterated population of 65,000 or greater.

Detailed Tables will be available by September 23, 2008 in a Summary File format similar to the format used for Census 2000 Detailed Tables. The summary files will be located on the ftp site at http://www2.census.gov/acs2007_1yr/summaryfile/.

Margin of error (MOE)

A margin of error is the difference between an estimate and its upper or lower confidence bounds. The confidence interval represents the degree of uncertainty about the estimate. All published margins of

error for the American Community Survey are based on a 90 percent confidence level. Add the margin of error to the estimate (for an upper bound) and subtract the margin of error from the estimate (for a lower bound) to create a confidence interval. In doing this, it is important not to allow either the lower bound or the upper bound of the confidence interval to go beyond the range of possible values for an estimate. For example, an estimate of children enrolled in school cannot be less than 0. Therefore, its lower bound can also not be less than 0.

II) Documentation Available at this FTP Site

1) The Accuracy of the Data document for 2007 is available at http://www.census.gov/acs/www/UseData/Accuracy/Accuracy1.htm. This document provides technical information on sample design, estimation methodology, and accuracy of the data.

2) When data release rules, based on the statistical reliability of the survey estimates, are applied to ACS detailed tables, certain geographic areas are found to include estimates whose reliability is unreliable, and so these tables are subject to geographic restrictions. A list of Detailed Tables that contain geographic restrictions can be found at: http://www.census.gov/acs/www/Products/users_guide/ACS2007_Data_Product_Geographic_Restriction.xls

3) There is also a Footnotes document for the data products located at: http://www2.census.gov/acs2007_1yr/prod/Footnotes.xls

4) All of the Detailed Table Shells are located on the Guide to the ACS Data Products Details Webpage located on the following URL: http://www.census.gov/acs/www/Products/users_guide/acs_2007_tables.xls

III) Finding the Data

Under the FTP directory 'http://www2.census.gov/acs2007_1yr/prod/' there are five sub-directories, *TablesProfilesSubjectTabless, GeographyCompTables, SelectedPopulationProfiles, POW* (Place of Work Tables)*, and MIG* (Migration Tables) and one file: footnote.xls.

A. *TablesProfilesSubjectTables*

Thi*s* directory contains four CSV files, for example, the United States directory contains; Detailed Tables in the file UnitedStatesBaseTables01000US.csv, Subject Tables in the file UnitedStatesSubjectTables01000US.csv, Data Profiles in the file UnitedStatesProfileTables01000US.csv, Comparison Profiles in the file UnitedStatesComparisonProfile01000US.csv. Also, included are separate directories named *[States, UnitedStates, Division,* and *Region]*. The *UnitedStates* directory contains CSV files for the United States, and sub-directories containing CSV files for the following Components, and Urban/Rural areas:

Geography Component	Description
01	Urban
43	Rural
52	In metropolitan or micropolitan statistical area
55	Not in metropolitan or micropolitan statistical area
56	In metropolitan statistical area

57	In metropolitan statistical area—in principal city
58	In metropolitan statistical area—not in principal city
59	Not in metropolitan statistical area
60	In micropolitan statistical area
61	In micropolitan statistical area—in principal city
62	In micropolitan statistical area—not in principal city
89	American Indian reservation and trust land –Federal Tribe
91	Oklahoma tribal statistical area
92	Tribal designated statistical area
93	Alaska Native village statistical area
94	State designated American Indian statistical area

The *State* directory contains a directory for each state (e.g. Iowa) in each of these state directories there are corresponding state CSV files (For example: *http://www2.census.gov/acs2007_1yr/prod/DetailedTablesSubjectTable /States/Iowa/IowaBaseTables04000US19.csv and IowaSubjectTables04000US19.csv)* and, depending upon the data available in each state, up to 18 subdirectories for the following geographic levels:

Geography summary level	Description
050	State-County
060	State-County-County Subdivision
160	State-Place
230	Alaska Native Regional Corporation
250	American Indian Area/Alaska Native Area/Hawaiian Home Land
310	Metropolitan Statistical Area/Micropolitan Statistical Area
312	Metropolitan Statistical Area/Micropolitan Statistical Area-State-Principal City
314	Metropolitan Statistical Area/Micropolitan Statistical Area-Metropolitan Division
330	Combined Statistical Area
335	Combined New England City and Town Area
350	New England City and Town Area
352	New England City and Town Area-State-Principal City
355	New England City and Town Area (NECTA)-NECTA Division
400	Urban Area
500	State-Congressional District (109th)
795	State-Public Use Microdata Area (5 percent)
950	State-School District (Elementary)
960	State-School District (Secondary)
970	State-School District (Unified)

Within each of the directories are four files:

Detailed Tables – Contains the Detailed Tables released for that geography

Data Profile - Contains four sections; Selected Social Characteristics which contains the profile estimates for selected social characteristics profile; Selected Economic Characteristics which contains

the profile estimates for selected economic characteristics; Selected Housing Characteristics which contains the profile estimates for selected housing characteristics; ACS Demographic And Housing Estimates which contains the profile estimates for selected demographic and housing characteristics

Comparison Profile – Containing the same characteristics as the Data Profile, expressed as percentage distributions for 2007 and 2006, with one column showing Statistical Significance. In the Statistical Significance column of the Comparison Profile an * indicates that the estimate is significantly different (at a 90 percent confidence level) than the estimate from the most current year. A 'c' indicates the estimates for that year and the current year are both controlled; a statistical test is not appropriate.

Subject Tables – Contains tables that highlight particular subjects of interest depending on the geography.

The Detailed Table CSV file contains the following file layout:

    Column 1 – Table ID
    Column 2 – Line Number within Table
    Column 3 – Line Description
    Column 4 – Direct Estimate
    Column 5 – Margin of Error
    Column 6 – Lower Bound Estimate
    Column 7 – Upper Bound Estimate

The Data Profile CSV files contains the following file layout:

    Column 1 – Table ID
    Column 2 – Line Number within Table
    Column 3 – Line Description
    Column 4 – Direct Estimate
    Column 5 – Margin of Error
    Column 6 – Percent Estimate
    Column 7 – Percent Margin of Error

The Comparison Profile CSV files contains the following file layout:

    Column 1 – Table ID
    Column 2 – Line Number within Table
    Column 3 – Line Description
    Column 4 – 2007 Percent
    Column 5 – 2006 Percent
    Column 6 – Statistical Significance

The Subject Tables vary depending on the size of the Subject Table.

B. GeographicComparisonTables

This directory there is a subdirectory for each published geographic summary level (e.g. *www2.census.gov/acs2007_1yr/GeographyCompTables/CountyUS/)* and a CSV file for each characteristic.

The Geographic Comparison Tables file contains the following file layout:

Column 1 – Geographic Area
Column 2 – Estimate
Column 3 – Margin of Error

The Ranking Tables file contains the following file layout:

Column 1 – Rank
Column 2 – Geographic Area
Column 3 – Estimate
Column 4 – Margin of Error

The naming conventions used for the Ranking Tables can be referenced on:
http://www.census.gov/acs/www/acs-php/2007_ranking_table.php, the
Geographic Comparison Tables use these same Table IDs, except that the Ranking Table IDs start with
"R" and the Geographic Comparison Table IDs start with "GCT".

C. SelectedPopulationProfiles

Under the Selected Population Profiles directory there will be a subdirectory for each published
geographic summary level, within each of these geographic summary level directories there will be a file
for each geographic area containing each race/ancestry/country of birth iteration that meets the
publishable criteria above.
http://www2.census.gov/acs2007_1yr/prod/SelectedPopulationProfiles/States/Alabama.csv
The CSV files contain 8 columns of data each (Total Population Iterations do not have columns 5 and
6):

Column 1 – Iteration ID – for more details on the Iteration ID, including their valid ranges, please
reference the following file: http://www.census.gov/acs/www/Products/users_guide/2007_iterations.xls
Column 2 – Iteration Description
Column 3 – Line Number
Column 4 – Stub Description
Column 5 – Total Population Estimate
Column 6 – Total Population Margin of Error
Column 7 – Iterated Population Estimate
Column 8 – Iterated Population Margin of Error

Under the SPP directory is one Excel spreadsheet
http://www2.census.gov/acs2007_1yr/prod/SelectPopulationProfile/race_ancestry_birth.xls; containing
two sheets which provide information on which Selected Population Profiles are published for what
geography and what iteration. This spreadsheet contains the following two worksheets:

Race Ancestry - Geography as rows and Race\Hispanic Origin\Ancestry as columns
Birth - Geography as rows and Country of Birth as columns

If an iterated Selected Population Profiles is published for the specific geography and iteration an "X" is
placed in that cell.

IV) Finding Place of Work and Migration Data

A. *POW* (Place of Work Tables)

Place of work tables refer to the geographic location at which workers carried out their occupational activities during the reference week. Data users interested in the number and characteristics of workers, who work in a specific area, should use the place of work (workplace-based journey-to-work) tables.

Under the POW directory there will be a subdirectory for each state. Thi*s* directory contains two types of data products – Detailed Tables and Subject Tables, which follow the same file layouts and directory structure as described in section III) Finding the Data. The *State* directory contains a directory for each state (e.g. Alabama) in each of these state directories there are corresponding state CSV files (For example:
http://www2.census.gov/acs2007_1yr/prod/POW/States/Alabama/StateCounty/BaldwinCountyAlabama/ BaseTables05000US01003.csv and SubjectTables05000US01003.csv. Depending upon the data available in each state, there can be up to 11 subdirectories for the following geographic levels:

Geography summary level	Description
050	State-County
060	State-County-County Subdivision
160	State-Place
310	Metropolitan Statistical Area/Micropolitan Statistical Area
312	Metropolitan Statistical Area/Micropolitan Statistical Area-State-Principal City
314	Metropolitan Statistical Area/Micropolitan Statistical Area-Metropolitan Division
330	Combined Statistical Area
335	Combined New England City and Town Area
350	New England City and Town Area
352	New England City and Town Area-State-Principal City
355	New England City and Town Area (NECTA)-NECTA Division

There is a directory for each state with state based geographies indexed under the directory.

B. *MIG* (Migration Tables)

Migration Tables refer to tables for geographical mobility for residence 1 year ago. These detailed tables include estimates based on outmigration. The estimates are similar to those available for the geographic mobility tables for current residence but instead of using the current location of the respondent they use the location of the respondent one year ago. Forty-two new tables will be available this year. These new tables allow one to determine the characteristics of persons who LEFT a specified geographic area in the past year, as well as the characteristics of those who stayed in that area.

Under the MIG directory there will be a subdirectory for each state. Thi*s* directory contains Detailed Tables, which follow the same file layouts and directory structure as described in section III) Finding the Data. The *State* directory contains a directory for each state (e.g. Alabama) in each of these state directories there is one corresponding state CSV files (For example:

http://www2.census.gov/acs2007_1yr/prod/MIG/States/Alabama/StateCounty/BaldwinCountyAlabama/ BaseTables05000US01003.csv. Depending upon the data available in each state, there can be up to 11 subdirectories for the following geographic levels:

Geography summary level	Description
050	State-County
060	State-County-County Subdivision
160	State-Place
310	Metropolitan Statistical Area/Micropolitan Statistical Area
312	Metropolitan Statistical Area/Micropolitan Statistical Area-State-Principal City
314	Metropolitan Statistical Area/Micropolitan Statistical Area-Metropolitan Division
330	Combined Statistical Area
335	Combined New England City and Town Area
350	New England City and Town Area
352	New England City and Town Area-State-Principal City
355	New England City and Town Area (NECTA)-NECTA Division

There is a directory for each state with state based geographies indexed under the directory.

V) FTP File Transfer

To facilitate transferring files, we suggest using features commonly found in most vendors' FTP utility. When testing the download in a PC environment, we used the ws_ftp product. This product, and many other FTP products developed for the PC environment, allows individual or multiple file selection using the control key and block multiple file selection using the shift key.